Title (en)
SPEECH RECOGNITION METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM

Title (de)
SPRACHERKENNUNGSVERFAHREN UND -VORRICHTUNG, VORRICHTUNG UND SPEICHERMEDIUM

Title (fr)
PROCÉDÉ ET APPAREIL DE RECONNAISSANCE DE LA PAROLE, DISPOSITIF ET SUPPORT D'ENREGISTREMENT

Publication
EP 4113507 A1 20230104 (EN)

Application
EP 21879192 A 20210915

Priority
- CN 202011082644 A 20201012
- CN 2021118514 W 20210915

Abstract (en)
A speech recognition method and apparatus, a device, and a storage medium, relating to the field of speech recognition. Speech recognition is performed using attention coding and time series decoding methods, and attention coding is performed on a speech feature matrix, such that the parallel computing of a GPU can be efficiently utilized. Decoding coded vectors according to the positions of the coded vectors in a coded matrix can reduce the amount of parameters, and the use of memory features of a speech recognition model to perform prediction according to time-series related coded vectors can improve speech recognition accuracy.

IPC 8 full level
G10L 15/02 (2006.01); **G10L 15/06** (2013.01)

CPC (source: CN EP US)
G06F 17/16 (2013.01 - CN EP); **G06F 18/253** (2023.01 - CN); **G06N 3/0442** (2023.01 - EP); **G06N 3/0455** (2023.01 - EP); **G06N 3/0464** (2023.01 - EP); **G06N 3/082** (2013.01 - EP); **G06N 3/084** (2013.01 - EP); **G10L 15/02** (2013.01 - CN EP US); **G10L 15/063** (2013.01 - CN US); **G10L 15/16** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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KH MA MD TN

DOCDB simple family (publication)
EP 4113507 A1 20230104; **EP 4113507 A4 20230906**; CN 111933115 A 20201113; CN 111933115 B 20210209; US 2023032385 A1 20230202; WO 2022078146 A1 20220421

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